

PPM2

Portable Trace Moisture Analyzer

Model PPM2, A Series of Portable Trace Moisture Analyzers

The PPM2 series of portable battery powered trace moisture analyzers are designed specifically for monitoring moisture levels in dew point and PPM units. This trace moisture analyzer utilizes an electrochemical (P2O5) sensor in combination with a proprietary semi permeable diffusion membrane. The principle of operation applies the Faraday's Law of Electrolysis which measures the dissociation current making it a **fundamental measurement** of the moisture present. The PPM2 is ideally used in relatively clean, dry, inert gas applications.



▶ Applications Include

- Electric Power (Transformer Gas)
- Common Process Gases (Semiconductor Industry)
- Pharmaceutical Industry (Medical Gas)
- Gas Supplier Industry (Quality Control)

▶ Features

- Sensitivity below 1ppm
- Fast response
- Long sensor life
- Rechargeable batteries, recharger included
- Fundamental measurement of moisture content
- Displays / outputs - dew point (C/F) and PPM values

SPECIFICATIONS

Technology Used:	P2O5
Measured Parameters:	PPM / Dew Point
Accuracy:	± 5% of PPM reading, nominal
Range:	PPM: 1250 - 0.1 ppmv Dew Point: -20°C to -95°C
Pressure:	0 to 200 psig
Response Time:	90% of step change in one minute, typically
Hysteresis:	None
Operating / Sampling Temperature:	0°C to 50°C
Electrical Outputs:	4-20mA (x2), scalable by end-user RS-232C (bi-directional), programmable and readable Alarm, relays (x2), settable by end-user Digital display - LCD, 2 line backlit
Power Requirements:	Battery powered, Battery charger (115/230Vac to 24Vdc) included
Standard Cable:	6 feet (1.8m) between electronics and sensor
Dimensions:	Carry Case: (LWD) 19" (48.3cm) * 14" (35.6cm) * 7" (17.8cm) Weight - 15 lbs. (6.8kg)

MODEL TYPE	APPLICATION	DESCRIPTION
PPM2 - FV	Positive Pressure	A portable battery powered trace moisture analyzer with a Flow Valve
PPM2 - VP	Atmosphere / Vacuum	A portable battery powered trace moisture analyzer with a Vacuum Pump